

Regarding Horizontal connectivity to
MSWAN

GOVERNMENT OF MAHARASHTRA

Government Circular No.: DIT/File-07/CR 107/39
Directorate of Information Technology
General Administration Department
Mantralaya, Mumbai 400 032

Date: 6th April, 2009

State Wide Area Network (SWAN) has been identified as an element of the core infrastructure for supporting these e-Governance initiatives under National e-Governance Plan (NeGP). Government of Maharashtra is in the process of implementing Maharashtra State Wide Area Network (MSWAN) which would act as a backbone for supporting the e-Governance initiatives. The MSWAN is envisaged as the single backbone network in the state for on line data, voice and video communications.

2. The MSWAN back bone will connect all the District Headquarters (DHQ) to State Headquarter (SHQ) with minimum 4 mbps bandwidth and further all the DHQ will connect to respective Taluka Headquarter with min 2 mbps bandwidth. At each of the headquarters, Point of Presence (POP) are being created. The vertical connectivity will be extended to local level office offices from the respective POP as a Horizontal connectivity.

3. Government of India is providing funds to setup vertical connectivity and also for horizontal connectivity to 20 offices at SHQ, 10 offices at DHQ and 5 offices at THQ.

4. The connectivity to the departmental field offices shall be on the basis of departmental e-Readiness and on the request first come first basis.

5. In view of the above, following departments have been considered on priority for horizontal connectivity from the funds provided by Government of India.

District Headquarter (DHQ)

i) Collector Office, ii) SP office, iii) Police Commissioner (if present), iv) Zilla Parishad, v) Municipal Commissioner (if present), vi) Treasury office, vii) Road Transport Offices, viii) Employment and Self Employment

Taluka Headquarter (THQ)

i) Taluka office, ii) Police station or Dy SP office, iii) BDO office, iv) Treasury office and

The rates for various media type connectivity are enclosed as an annexure I and the rates approved for leased line bandwidth is enclosed as Annexure II.

6 The remaining departments shall have to make fund provision for horizontal connectivity which includes Customer Premises Equipments and bandwidth by following Government financial procedures. The departments are requested to get done the survey for horizontal connectivity with help of MSWAN project operator M/s ITI-Spanco. A single horizontal connectivity (extended WAN) shall be provided to the department which is having multiple offices at the same POP vicinity. Department shall have to make arrangement to connect their other offices if required from the single connectivity.

Therefore, the selected departments for DHQ and THQ are requested to use these approved rates and submit the proposal along with bandwidth per link requirement to the Directorate for consideration and approval.

Yours sincerely,


(S.H. Jayshree)
Deputy Secretary,
Directorate of Information Technology

Horizontal Office Connectivity Under MSWAN				
S.N.	Cost Item	Qty	Rate in INR	Value in INR
A	Type I: CAT 5E Connectivity			
	Equipments – Refer to Annexure I (BOM and Tech specs) and quote for all equipment necessary to ensure a complete solution.			
	L2 Switch	1	128600	128600
	Rack	1	4263	4263
	Passive Cabling	1	2237	2237
	Total Type I connectivity			135100
	Labour & Implementation Costs – Refer to Section 2.7.1 of Volume 2 and quote for all 3 options of connectivity.			
B	Type II: Fiber Connectivity			
	Equipments – Refer to Annexure I (BOM and Tech specs) and quote for all equipment necessary to ensure a complete solution.			
	L2 Switch	1	172512	172512
	Rack	1	4541	4541
	Fibre Cabling	1		
		MTR	76	76
	Total Type II Connectivity			177129
	Labour & Implementation Costs – Refer to Section 2.7.1 of Volume 2 and quote for all 3 options of connectivity.			
C	Type III: Leased Line Connectivity			
	Equipments – Refer to Annexure I (BOM and Tech specs) and quote for all equipment necessary to ensure a complete solution.			
	L2 Switch	1	136534	136534
	Rack	1	4541	4541
	Modem	1	13300	13300
	Router	1	125741	125741
	Total Type III Connectivity			280117
	Labour & Implementation Costs – Refer to Section 2.7.1 of Volume 2 and quote for all 3 options of connectivity.			

Type IV: Wireless Connectivity				
	Equipments – Refer to Annexure I (BOM and Tech specs) and quote for all equipment necessary to ensure a complete solution.			
	L2 Switch	1	129249	129249
	Rack	1	4315	4315
	Wireless Subscriber Equipment	1	46856	46856
	Total Type IV Connectivity			180420
Operation & Maintenance Cost for Horizontal Connectivity				
O&M	Operational & Maintenance Cost for Per Office Connectivity	1	34799	34799

Annexure II

Distance	256 Kbps	512 Kbps	1 Mbps	2 Mbps	4 Mbps
0-5KM	47475	82651	140002	24454	38927
5-10KM	50602	83980	142381	31403	52806
10-15KM	51512	85310	144761	38342	66685
15-20KM	52421	86640	147140	45283	80565
20-25KM	53334	87974	149527	52299	94587
25-30KM	54243	89304	151906	59161	108323
30-35KM	55153	90633	154286	66101	122202
35-40KM	56062	91963	156665	73040	136081
40-45KM	56972	93293	159045	79980	149959
45-50Km	58085	94920	161957	88767	167534
50-55KM	58995	96250	164336	95706	181413
55-60KM	59904	97580	166716	102646	195292
60-65KM	60814	98910	169095	109585	209170
65-70Km	61723	100230	171475	116526	223051
70-75Km	62633	101569	173854	123465	236930
75-80Km	63542	102899	176234	130404	250808
80-85KM	64452	104229	178613	137344	264887
85-90KM	65364	105562	181000	144283	278565
90-95KM	66274	106892	183379	151222	292445
95-100KM	67384	108516	186284	160010	310018
